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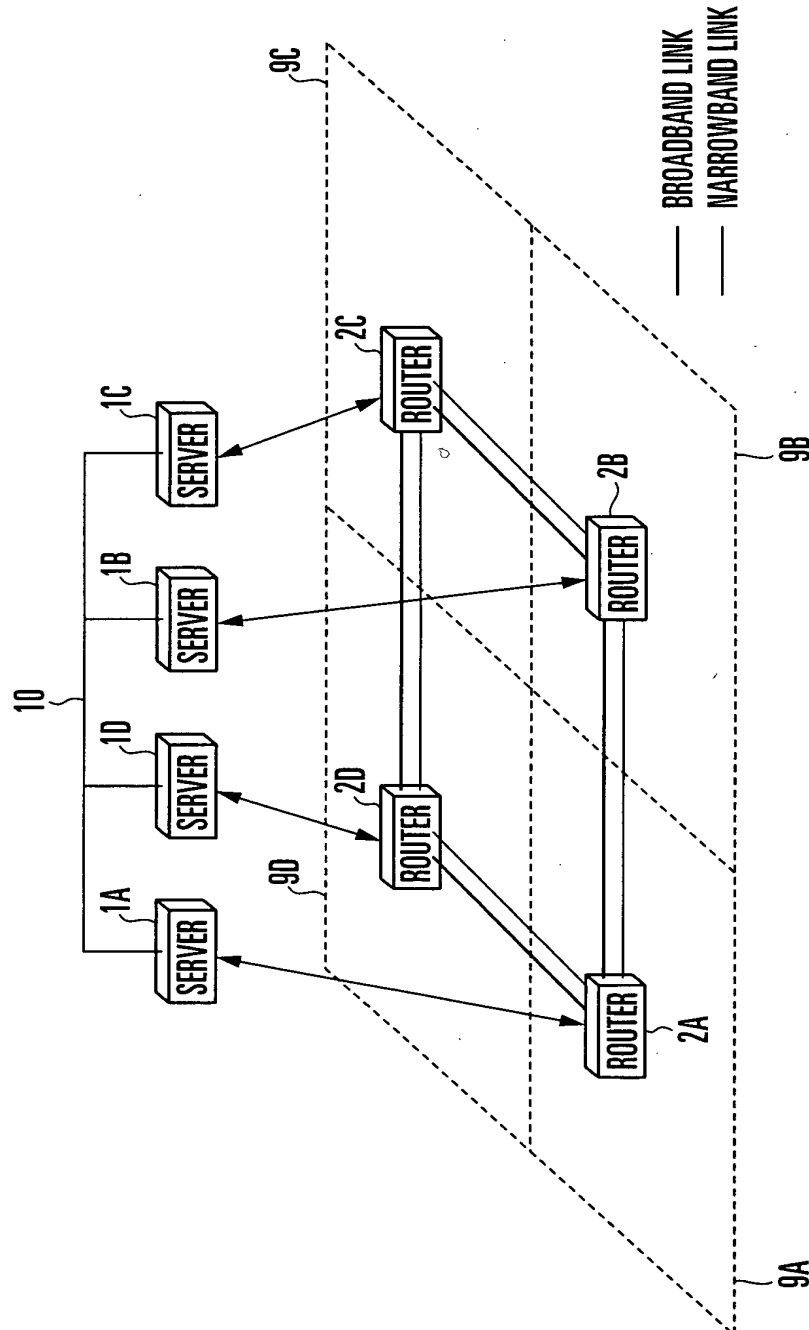


FIG. 1

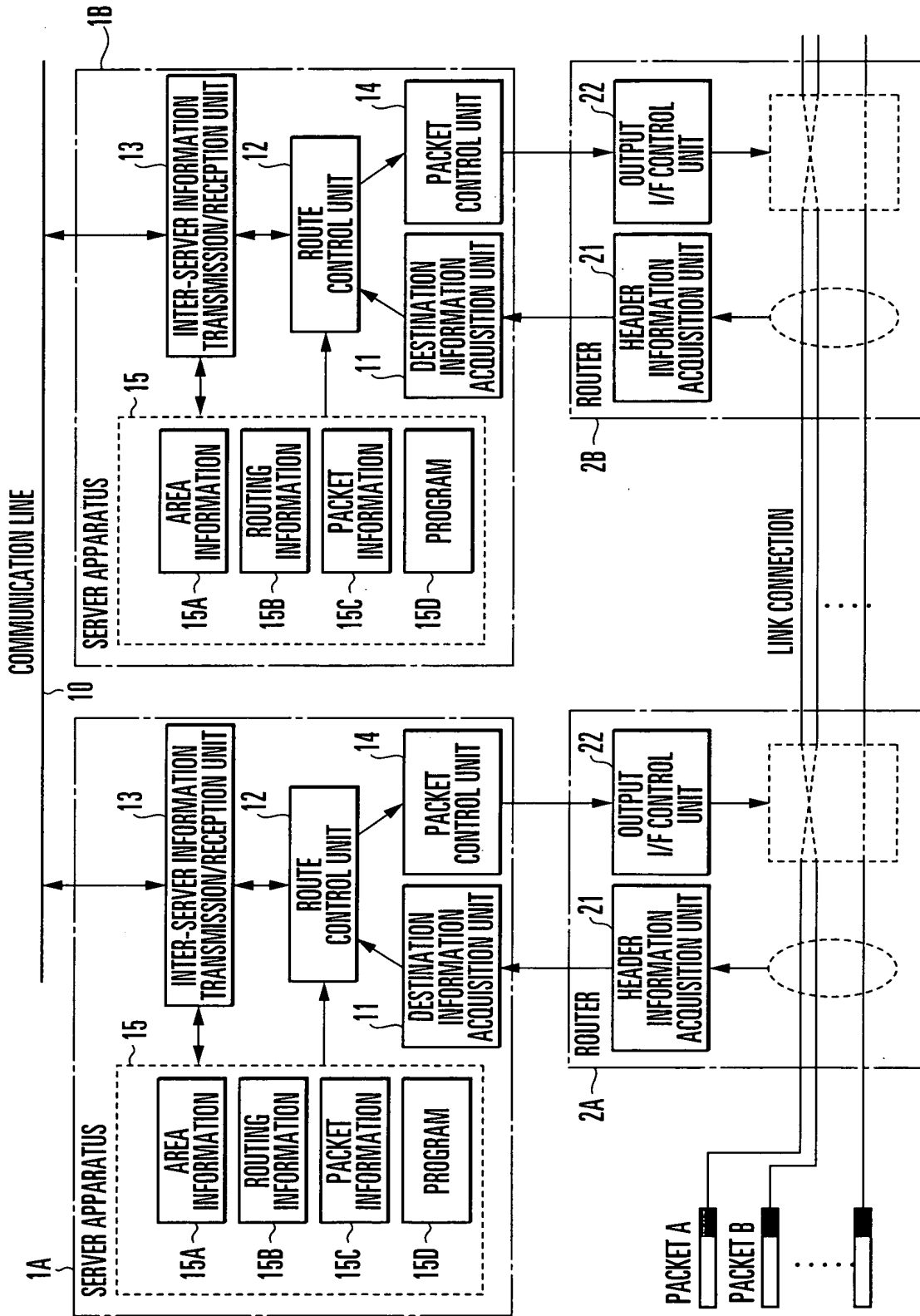


FIG. 2

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AREA INFORMATION

15A

AREA	SERVER	ROUTER
9A	1A	2A
9B	1B	2B
9C	1C	2C
9D	1D	2D

FIG. 3

ROUTING INFORMATION

15B

DESTINATION	AREA ROUTE
2B	9A→9B
2C	9A→9B→9C
2D	9A→9D

FIG. 4

PACKET INFORMATION

15C

DESTINATION IP ADDRESS	TRANSFER MANAGEMENT INFORMATION
2C - A	PRIORITY
2C - B	NORMAL
2C - C	NORMAL
⋮	⋮

FIG. 5

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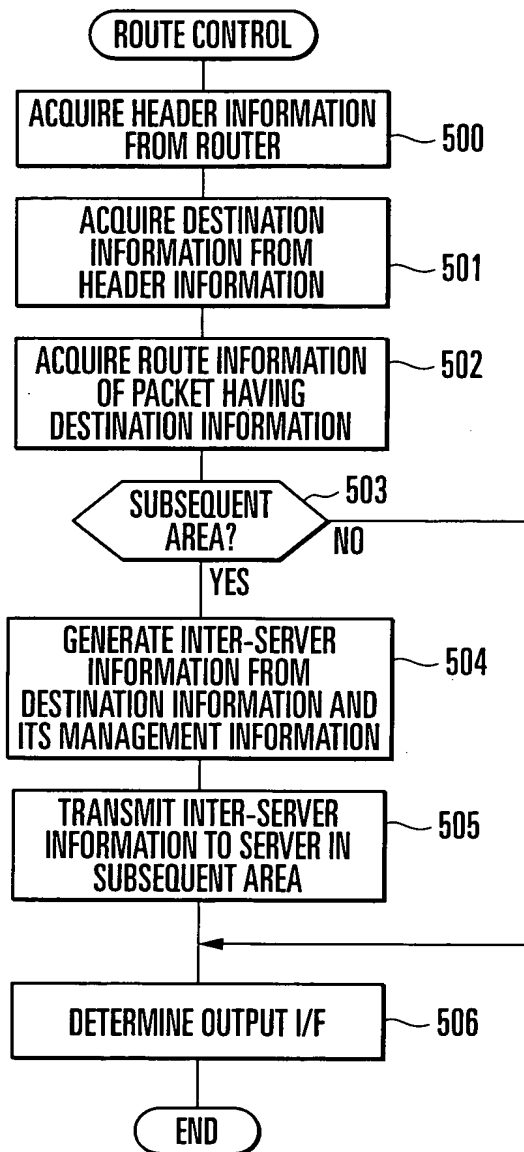


FIG. 6

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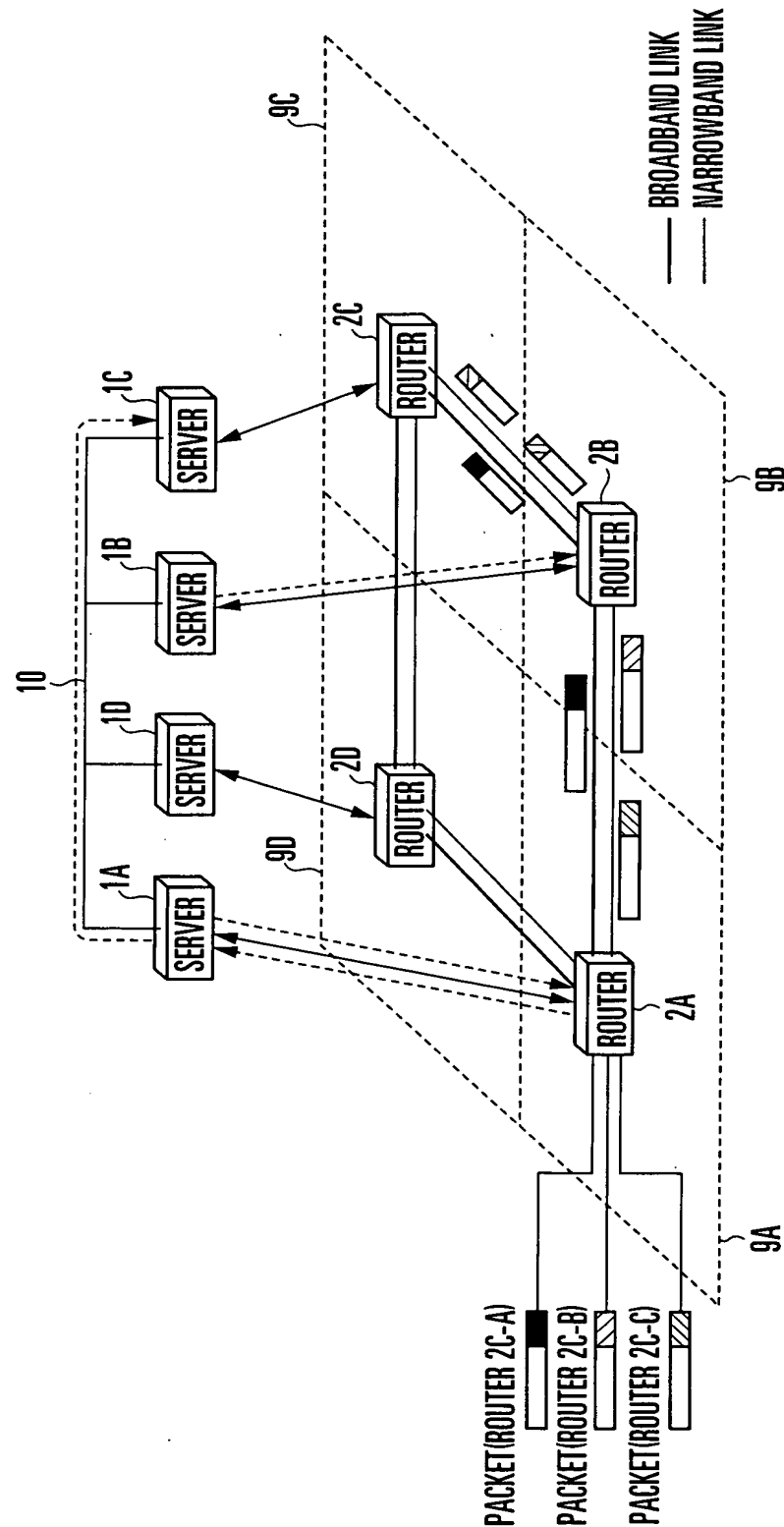


FIG. 7

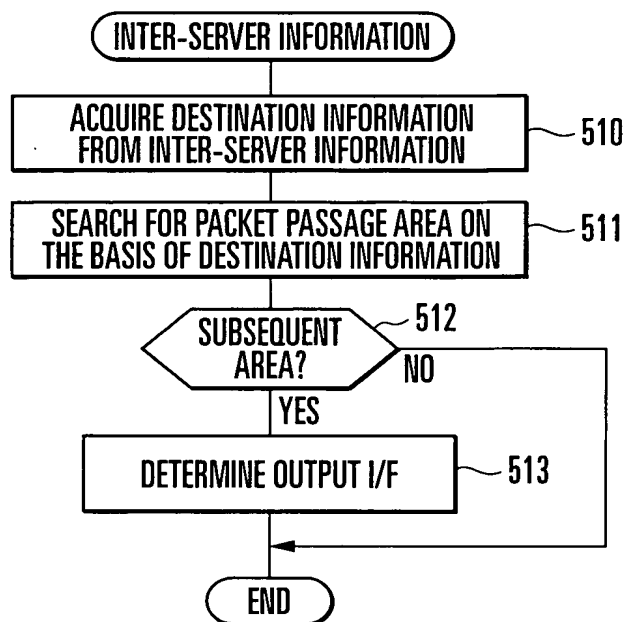


FIG. 8

OUTPUT I/F INFORMATION (ROUTER 2A)

DESTINATION IP ADDRESS	OUTPUT I/F
2C - A	1
2C - B	2
2C - C	2
⋮	⋮

[1]=BROADBAND LINK
[2]=NARROWBAND LINK

FIG. 9

IN-AREA ROUTING INFORMATION (AREA 9B)

DESTINATION AREA	PASSAGE ROUTER	Next ROUTER
9A	2B	2A
9C	2B	2C
9D	2B	2A,2C

FIG. 10

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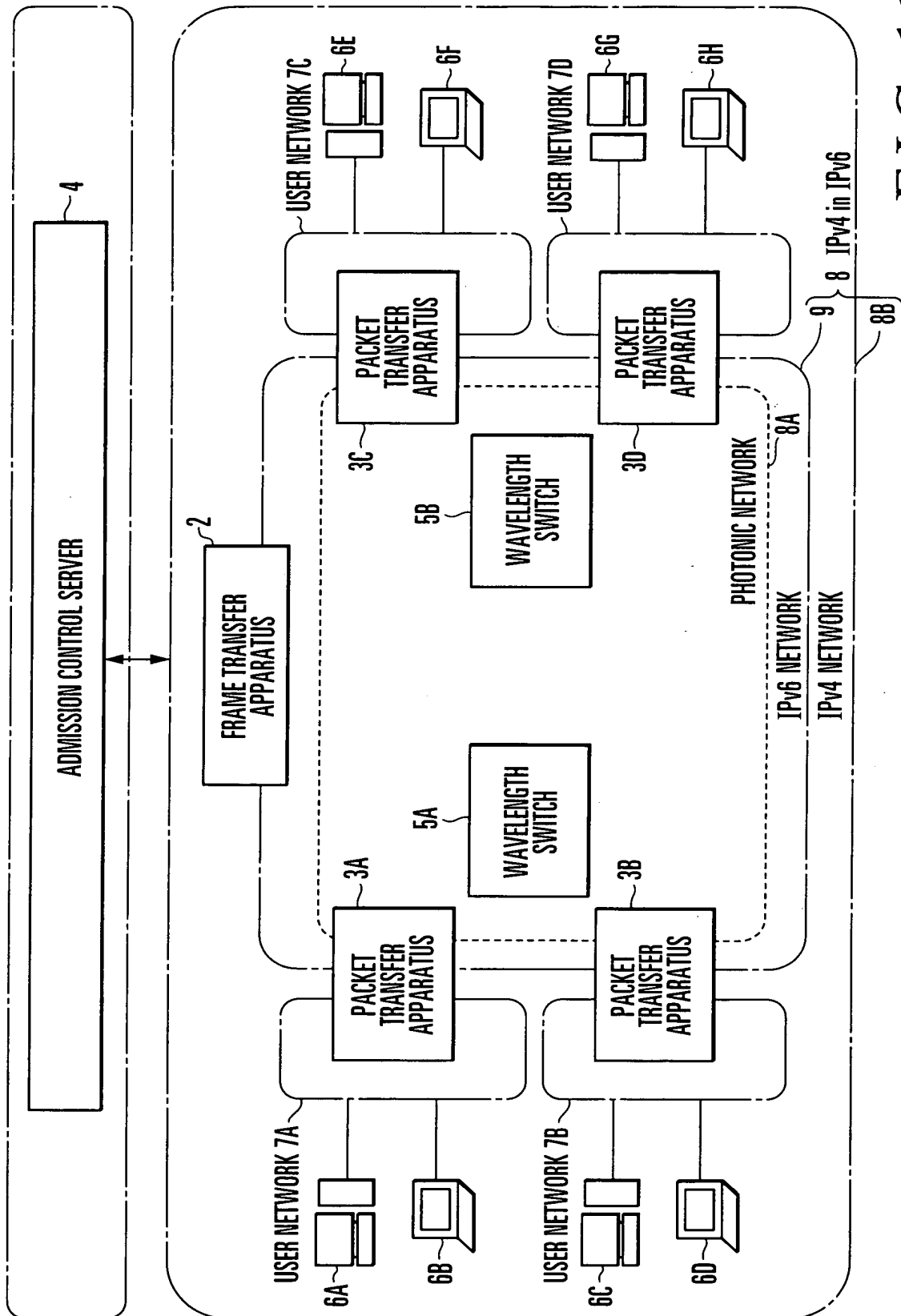


FIG. 11

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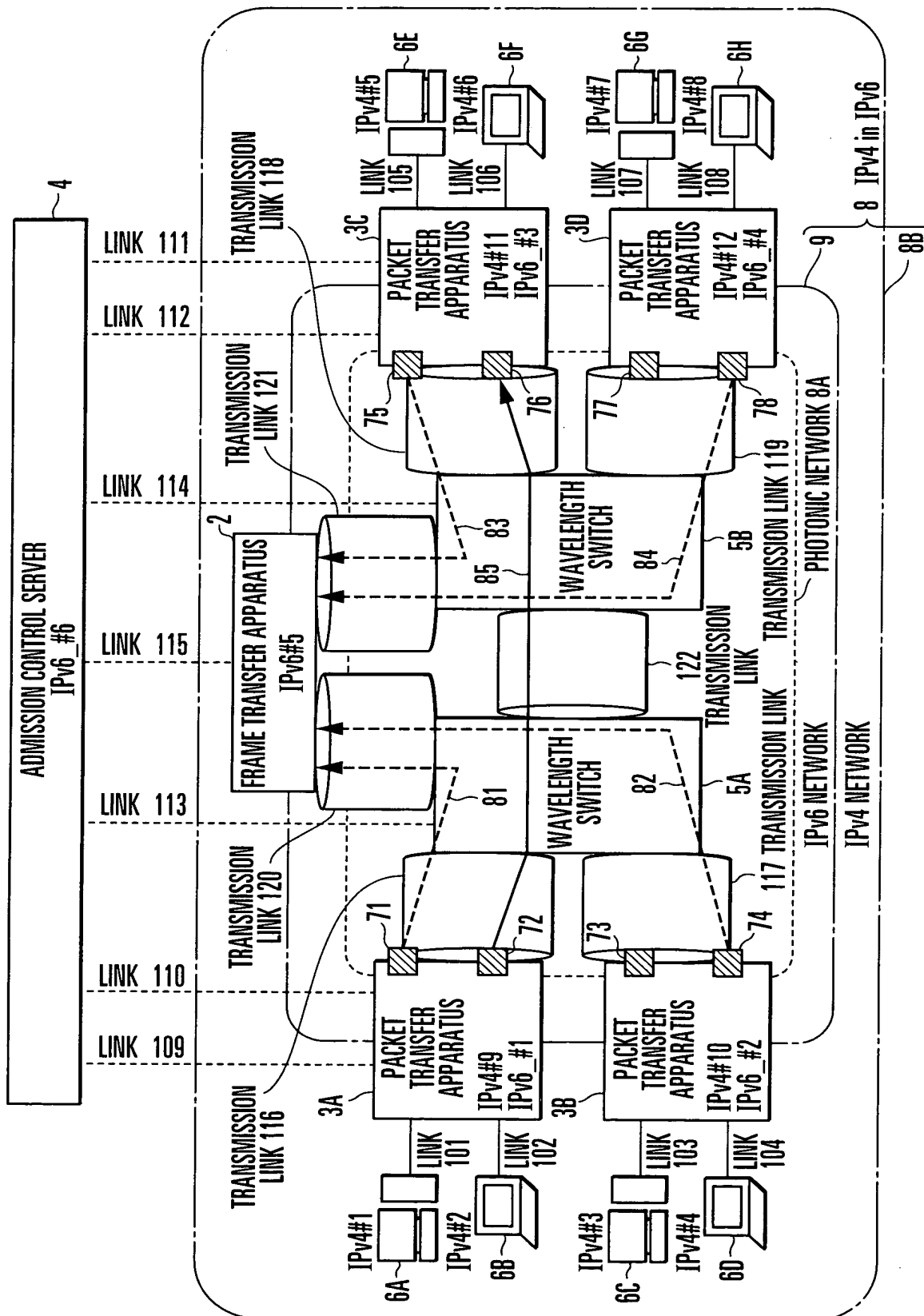


FIG. 12

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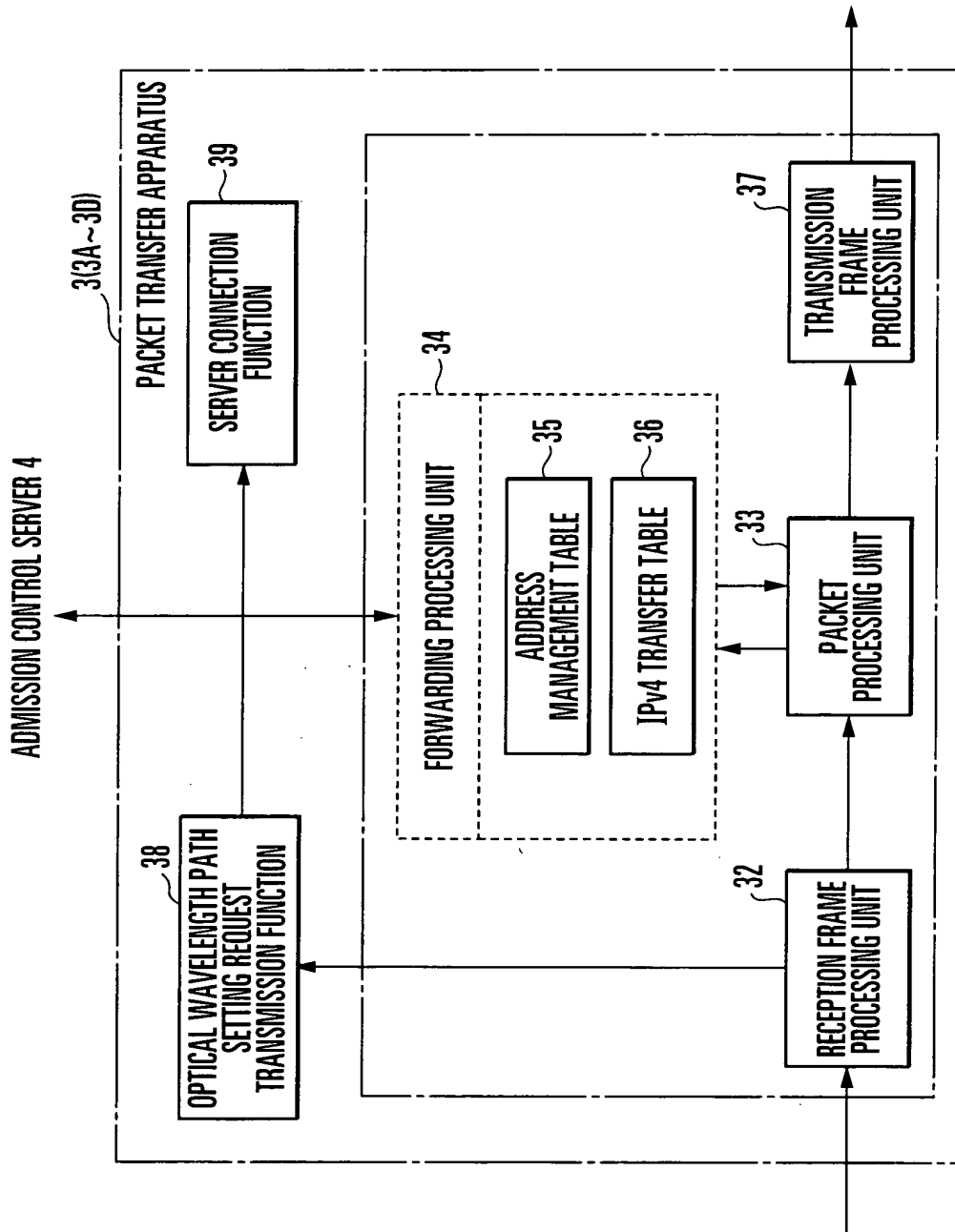


FIG. 13

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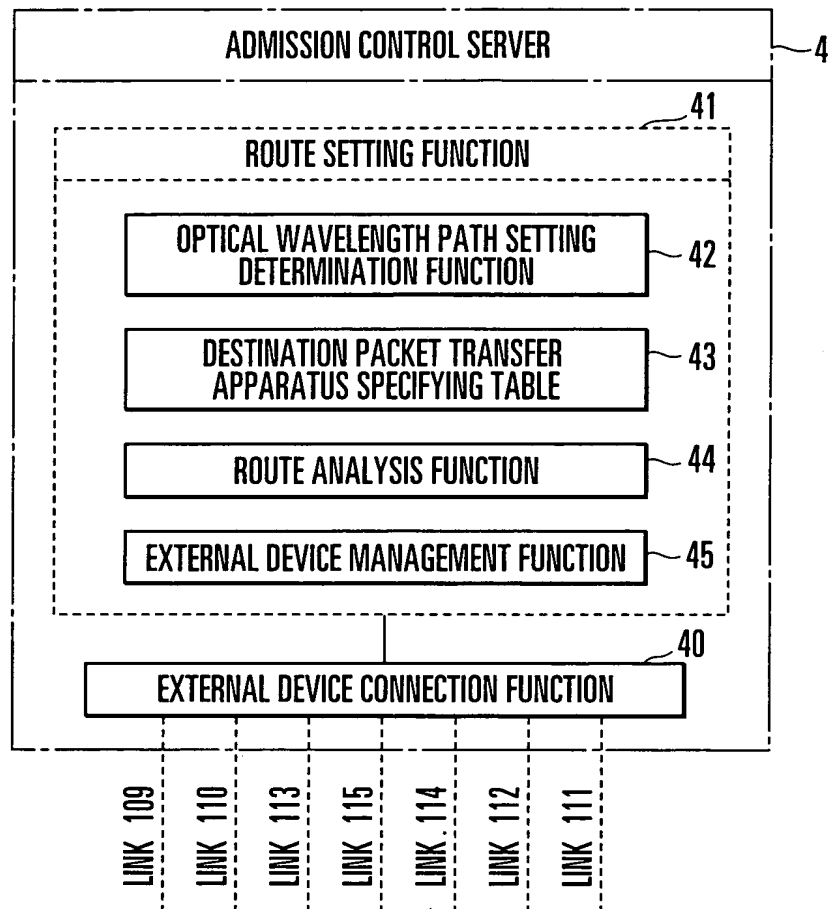


FIG. 14

ADDRESS MANAGEMENT TABLE 35

DESTINATION IPv4 ADDRESS	DESTINATION IPv6 ADDRESS
IPv4#3	IPv6_#2_71
IPv4#4	IPv6_#2_71
IPv4#5	IPv6_#3_72
IPv4#6	IPv6_#3_71
IPv4#7	IPv6_#4_71
IPv4#8	IPv6_#4_71

IPv6 ADDRESS FORMAT
 IPv6_ADDRESS PREFIX_OPTICAL WAVELENGTH PATH IDENTIFIER

FIG. 15

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ADDRESS MANAGEMENT TABLE

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TRANSMISSION SOURCE IPv4 ADDRESS	DESTINATION IPv4 ADDRESS	DESTINATION IPv6 ADDRESS
IPv4#1	IPv4#3	IPv6_#2_71
IPv4#2	IPv4#3	IPv6_#2_71
IPv4#1	IPv4#4	IPv6_#2_71
IPv4#2	IPv4#4	IPv6_#2_71
IPv4#1	IPv4#5	IPv6_#3_72
IPv4#2	IPv4#5	IPv6_#3_71

FIG. 16

IPv4 TRANSFER TABLE

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DESTINATION IPv4 ADDRESS	OUTPUT LINK
IPv4#1	LINK 101
IPv4#2	LINK 102

FIG. 17

DESTINATION PACKET TRANSFER
APPARATUS SPECIFYING TABLE

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DESTINATION IPv4 ADDRESS	DESTINATION IPv6 ADDRESS PREFIX
IPv4#1	IPv6_#1
IPv4#2	IPv6_#1
IPv4#3	IPv6_#2
IPv4#4	IPv6_#2
IPv4#5	IPv6_#3
IPv4#6	IPv6_#3
IPv4#7	IPv6_#4
IPv4#8	IPv6_#4

FIG. 18

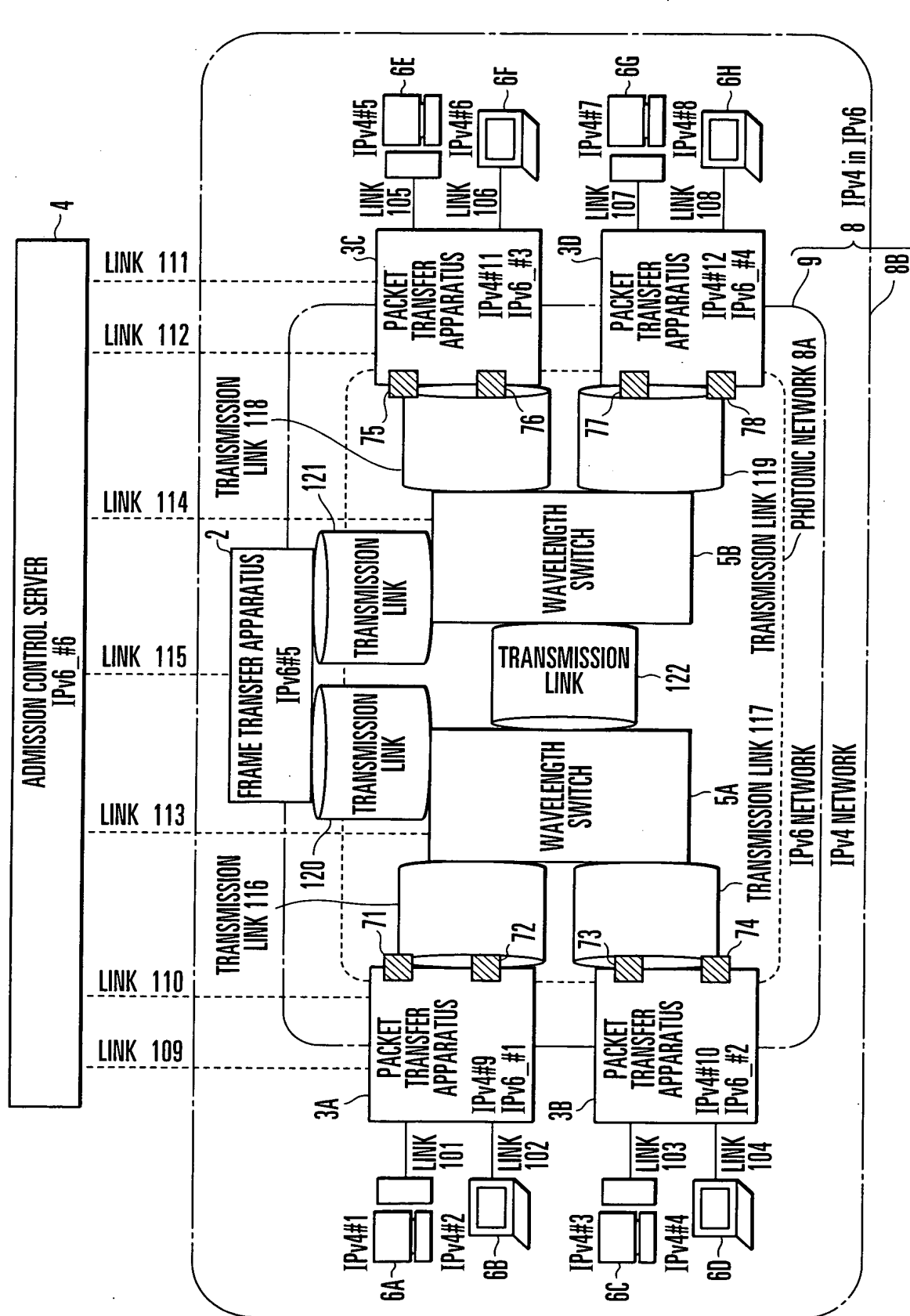


FIG. 19

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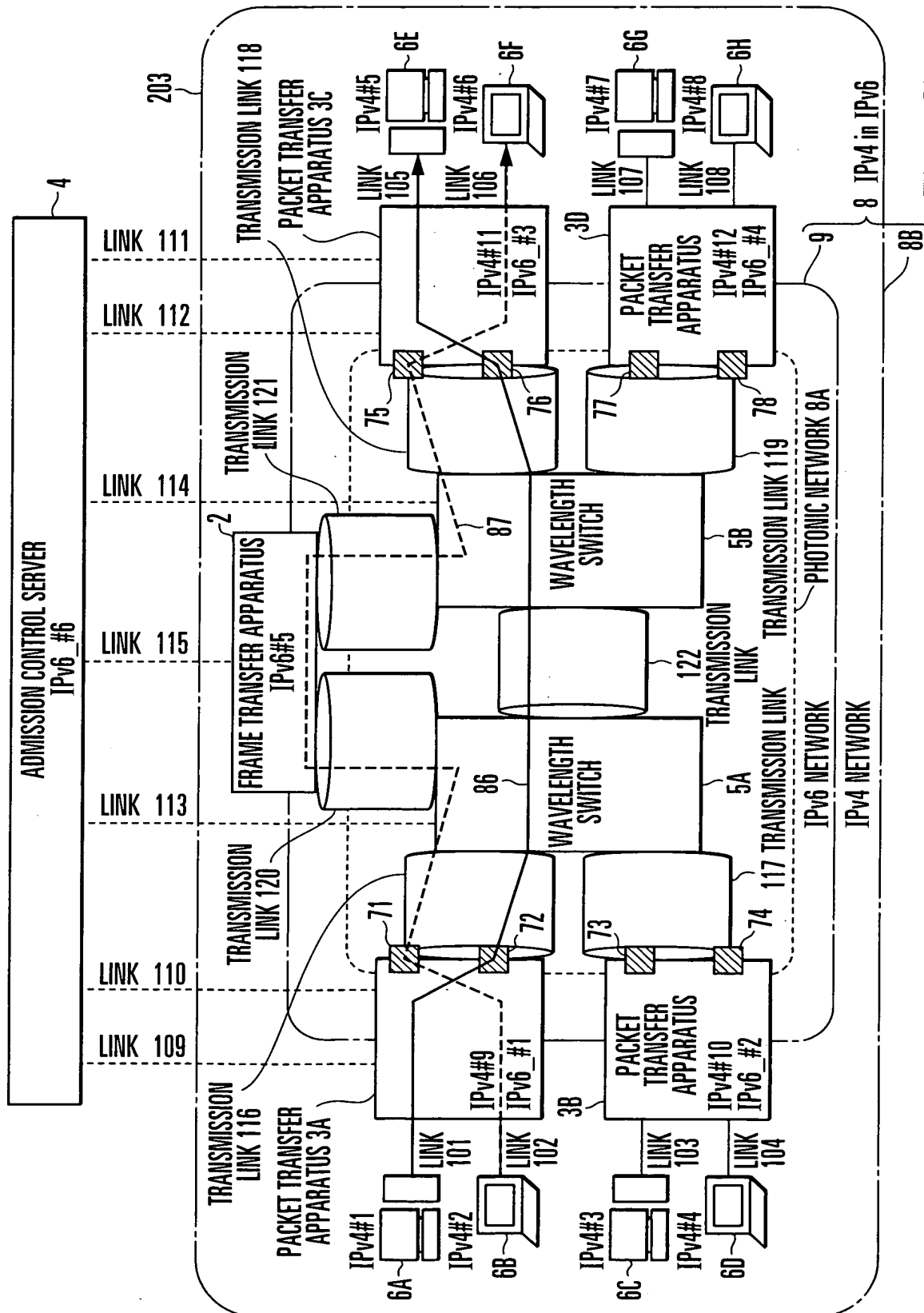


FIG. 20